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NSPS/Subpt	_____
MACT Subpt	_____
Other	_____

November 2, 2010

Analytical Report for Service Request No: K1011822

Al Deichsel
Georgia Pacific Corporation
92326 Taylorville Road
Clatskanie, OR 97016

RE: Wauna 4Q FC


Dear Al:

Enclosed are the results of the samples submitted to our laboratory on October 22, 2010. For your reference, these analyses have been assigned our service request number K1011822.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.caslab.com. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3358. You may also contact me via Email at LHuckestein@caslab.com.

Respectfully submitted,

Columbia Analytical Services, Inc.
Lynda Huckestein
Client Services Manager

LH/ln

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Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Inorganic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated value that was detected outside the quantitation range.
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
DOD-QSM 4.1 definition: Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- i The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
- X See case narrative.
- Q See case narrative. One or more quality control criteria was outside the limits.

Metals Data Qualifiers

- # The control limit criteria is not applicable. See case narrative.
- J The result is an estimated value that was detected outside the quantitation range.
- E The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
- M The duplicate injection precision was not met.
- N The Matrix Spike sample recovery is not within control limits. See case narrative.
- S The reported value was determined by the Method of Standard Additions (MSA).
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
DOD-QSM 4.1 definition: Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- W The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
- i The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
- X See case narrative.
- + The correlation coefficient for the MSA is less than 0.995.
- Q See case narrative. One or more quality control criteria was outside the limits.

Organic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- A A tentatively identified compound, a suspected aldol-condensation product.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
- C The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
- D The reported result is from a dilution.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated value that was detected outside the quantitation range.
- N The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
- P The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results.
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
DOD-QSM 4.1 definition: Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- i The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference.
- X See case narrative.
- Q See case narrative. One or more quality control criteria was outside the limits.

Additional Petroleum Hydrocarbon Specific Qualifiers

- F The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
- L The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
- H The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
- O The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
- Y The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
- Z The chromatographic fingerprint does not resemble a petroleum product.

Columbia Analytical Services, Inc.
Kelso, WA
State Certifications, Accreditations, and Licenses

Program	Number
Alaska DEC UST	UST-040
Arizona DHS	AZ0339
Arkansas - DEQ	88-0637
California DHS	2286
Colorado DPHE	-
Florida DOH	E87412
Hawaii DOH	-
Idaho DHW	-
Indiana DOH	C-WA-01
Louisiana DEQ	3016
Louisiana DHH	LA050010
Maine DHS	WA0035
Michigan DEQ	9949
Minnesota DOH	053-999-368
Montana DPHHS	CERT0047
Nevada DEP	WA35
New Jersey DEP	WA005
New Mexico ED	-
North Carolina DWQ	605
Oklahoma DEQ	9801
Oregon - DHS	WA200001
South Carolina DHEC	61002
Utah DOH	COLU
Washington DOE	C1203
Wisconsin DNR	998386840
Wyoming (EPA Region 8)	-

K11822

Columbia Analytical Services, Inc.
1317 South 13th, Kelso, WA 98626

Georgia Pacific Wauna Mill

Page 1 of 2

Service Request:

Phone: (360) 5677-7222 Fax: (360) 636-1068

Project Name/Number: WAUNA 4Q FC							Number of Containers	Analysis Requested																
Report To: Al Deichsel																								
Sample I.D.	24 Hour Composite Start Date	24 Hour Composite Start time	Grab Sample Date	Grab Sample Time	LAB ID	Matrix		Methanol									REMARKS							
Inlet			10/19/10	7:30			2	X																
Outlet			10/19/10	8:10			2	X																
Zone 1			10/19/10	7:50			2	X																
Zone 2			10/19/10	8:00			2	X																
Foul Condensate			10/19/10	7:40			2	X																
Inlet			10/20/10	7:30			2	X																
Outlet			10/20/10	8:10			2	X																
Zone 1			10/20/10	7:50			2	X																
Zone 2			10/20/10	8:00			2	X																
Foul Condensate			10/20/10	7:40			2	X																
TAT REQUIREMENTS 24 hr 48 hr 5 day X Standard (21 days)							REPORT REQUIREMENTS X 1. Routine Report							Comments/Special Instructions: NCASI DI/Methanol - 94.03										
RELINQUISHED BY: Signature: <i>[Signature]</i> Printed Name: Al Deichsel Firm: Georgia-Pacific Date/Time: 10/21/10 830hrs							RECEIVED BY: Signature: <i>[Signature]</i> Printed Name: <i>Gay Beatty</i> Firm: <i>CAS</i> Date/Time: 10/22/10 0910							RELINQUISHED BY: Signature: <i>[Signature]</i> Printed Name: <i>Gay Beatty</i> Firm: <i>CAS</i> Date/Time: 10/22/10 1030							RECEIVED BY: Signature: <i>[Signature]</i> Printed Name: <i>SHOYKINS</i> Firm: <i>CAS</i> Date/Time: 10/22/10 1130			

K1011822

Columbia Analytical Services, Inc.

1317 South 13th, Kelso, WA 98626

Georgia Pacific Wauna Mill

Page 2 of 2

Service Request:

Phone: (360) 5677-7222 Fax: (360) 636-1068

Project Name/Number: WAUNA 4Q FC							Number of Containers	Analysis Requested										
Report To: Al Deichsel																		
Sample I.D.	24 Hour Composite Start Date	24 Hour Composite Start time	Grab Sample Date	Grab Sample Time	LAB ID	Matrix		Methanol										REMARKS
Inlet			10/21/10	7:30			2	X										
Outlet			10/21/10	8:10			2	X										
Zone 1			10/21/10	7:50			2	X										
Zone 2			10/21/10	8:00			2	X										
Foul Condensate			10/21/10	7:40			2	X										
TAT REQUIREMENTS			REPORT REQUIREMENTS			Comments/Special Instructions:												
24 hr 48 hr 5 day X Standard (21 days)			X I. Routine Report			NCASI DI/Methanol - 94.03												
RELINQUISHED BY:			RECEIVED BY:			RELINQUISHED BY:			RECEIVED BY:									
Signature: <i>Al Deichsel</i>			Signature: <i>Gay Butley</i>			Signature: <i>Gay Butley</i>			Signature: <i>S. HOKINS</i>									
Printed Name: Al Deichsel			Printed Name: Gay Butley			Printed Name: Gay Butley			Printed Name: S. HOKINS									
Firm: Georgia-Pacific			Firm: CAS			Firm: CAS			Firm: CAS									
Date/Time: 10/21/10 830hrs			Date/Time: 10/22/10 0910			Date/Time: 10/22/10 1030			Date/Time: 10/22/10									

Columbia Analytical Services, Inc.
Cooler Receipt and Preservation Form

PC LYA

Client / Project: Georgia Pacific Wavna

Service Request K10 11822

Received: 10/22/10 Opened: 10/22/10 By: L Beatley

Samples were received via? Mail ☐ Fed Ex ☐ UPS ☐ DHL ☐ PDX ☒ Courier ☐ Hand Delivered ☐

Samples were received in: (circle) Cooler Box ☐ Envelope ☐ Other ☐ NA ☐

Were custody seals on coolers? NA Y ☐ N ☐ If yes, how many and where? _____

If present, were custody seals intact? Y ☐ N ☐ If present, were they signed and dated? Y ☐ N ☐

Cooler Temp. °C	Temp Blank °C	Thermometer ID	Cooler/COC ID	NA	Tracking Number	NA	Filed
<u>1.2</u>	<u>2.0</u>	<u>SMO294</u>					

Packing material used. Inserts ☐ Baggies ☐ Bubble Wrap ☒ Gel Packs ☐ Wet Ice ☐ Sleeves ☐ Other _____

Were custody papers properly filled out (ink, signed, etc.)? NA ☐ Y ☒ N ☐

Did all bottles arrive in good condition (unbroken)? Indicate in the table below. NA ☐ Y ☒ N ☐

Were all sample labels complete (i.e analysis, preservation, etc.)? NA ☐ Y ☒ N ☐

Did all sample labels and tags agree with custody papers? Indicate major discrepancies in the table on page 2. NA ☐ Y ☒ N ☐

Were appropriate bottles/containers and volumes received for the tests indicated? NA ☐ Y ☒ N ☐

Were the pH-preserved bottles (see SMO GEN SOP) received at the appropriate pH? Indicate in the table below. NA ☐ Y ☒ N ☐

Were VOA vials received without headspace? Indicate in the table below. NA ☐ Y ☒ N ☐

Was C12/Res negative? NA ☐ Y ☒ N ☐

Sample ID on Bottle	Sample ID on COC	Identified by:

Sample ID	Bottle Count	Bottle Type	Out of Temp	Head-space	Broke	pH	Reagent	Volume added	Reagent Lot Number	Initials	Time

Notes, Discrepancies, & Resolutions: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Georgia-Pacific Consumer Products LP
Project: Wauna 4Q FC
Sample Matrix: Water
Sample Name: Inlet 10/19
Lab Code: K1011822-001

Service Request: K1011822
Date Collected: 10/19/10 0730
Date Received: 10/22/10
Units: mg/L
Basis: NA

Methanol in Process Liquids by GC/FID

Analytical Method: NCASI MeOH-94.03

Analysis Lot: 223007

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methanol	30.3		1.00	1	NA	10/29/10 13:53		223007	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Georgia-Pacific Consumer Products LP
Project: Wauna 4Q FC
Sample Matrix: Water
Sample Name: Outlet 10/19
Lab Code: K1011822-002

Service Request: K1011822
Date Collected: 10/19/10 0810
Date Received: 10/22/10

Units: mg/L
Basis: NA

Methanol in Process Liquids by GC/FID

Analytical Method: NCASI MeOH-94.03

Analysis Lot: 223007

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methanol	ND	U	1.00	1	NA	10/29/10 14:37		223007	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Georgia-Pacific Consumer Products LP
Project: Wauna 4Q FC
Sample Matrix: Water
Sample Name: Zone 1 10/19
Lab Code: K1011822-003

Service Request: K1011822
Date Collected: 10/19/10 0750
Date Received: 10/22/10
Units: mg/L
Basis: NA

Methanol in Process Liquids by GC/FID

Analytical Method: NCASI MeOH-94.03

Analysis Lot: 223007

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methanol	ND U	1.00	1	NA	10/29/10 14:51		223007	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Georgia-Pacific Consumer Products LP
Project: Wauna 4Q FC
Sample Matrix: Water
Sample Name: Zone 2 10/19
Lab Code: K1011822-004

Service Request: K1011822
Date Collected: 10/19/10 0800
Date Received: 10/22/10

Units: mg/L
Basis: NA

Methanol in Process Liquids by GC/FID

Analytical Method: NCASI MeOH-94.03

Analysis Lot: 223007

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methanol	ND	U	1.00	1	NA	10/29/10 15:06		223007	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Georgia-Pacific Consumer Products LP
Project: Wauna 4Q FC
Sample Matrix: Water
Sample Name: Foul Condensate 10/19
Lab Code: K1011822-005

Service Request: K1011822
Date Collected: 10/19/10 0740
Date Received: 10/22/10

Units: mg/L
Basis: NA

Methanol in Process Liquids by GC/FID

Analytical Method: NCASI MeOH-94.03

Analysis Lot: 223007

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methanol	1100	10.0	10	NA	10/29/10 15:20		223007	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Georgia-Pacific Consumer Products LP
Project: Wauna 4Q FC
Sample Matrix: Water
Sample Name: Inlet 10/20
Lab Code: K1011822-006

Service Request: K1011822
Date Collected: 10/20/10 0730
Date Received: 10/22/10
Units: mg/L
Basis: NA

Methanol in Process Liquids by GC/FID

Analytical Method: NCASI MeOH-94.03

Analysis Lot: 223007

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methanol	30.3		1.00	1	NA	10/29/10 15:35		223007	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Georgia-Pacific Consumer Products LP
Project: Wauna 4Q FC
Sample Matrix: Water
Sample Name: Outlet 10/20
Lab Code: K1011822-007

Service Request: K1011822
Date Collected: 10/20/10 0810
Date Received: 10/22/10

Units: mg/L
Basis: NA

Methanol in Process Liquids by GC/FID

Analytical Method: NCASI MeOH-94.03

Analysis Lot: 223007

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methanol	ND	U	1.00	1	NA	10/29/10 15:49		223007	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Georgia-Pacific Consumer Products LP
Project: Wauna 4Q FC
Sample Matrix: Water
Sample Name: Zone 1 10/20
Lab Code: K1011822-008

Service Request: K1011822
Date Collected: 10/20/10 0750
Date Received: 10/22/10

Units: mg/L
Basis: NA

Methanol in Process Liquids by GC/FID

Analytical Method: NCASI MeOH-94.03

Analysis Lot: 223007

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methanol	ND	U	1.00	1	NA	10/29/10 16:04		223007	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Georgia-Pacific Consumer Products LP
Project: Wauna 4Q FC
Sample Matrix: Water
Sample Name: Zone 2 10/20
Lab Code: K1011822-009

Service Request: K1011822
Date Collected: 10/20/10 0800
Date Received: 10/22/10

Units: mg/L
Basis: NA

Methanol in Process Liquids by GC/FID

Analytical Method: NCASI MeOH-94.03

Analysis Lot: 223007

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methanol	ND	U	1.00	1	NA	10/29/10 16:18		223007	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Georgia-Pacific Consumer Products LP
Project: Wauna 4Q FC
Sample Matrix: Water
Sample Name: Foul Condensate 10/20
Lab Code: K1011822-010

Service Request: K1011822
Date Collected: 10/20/10 0740
Date Received: 10/22/10
Units: mg/L
Basis: NA

Methanol in Process Liquids by GC/FID

Analytical Method: NCASI MeOH-94.03

Analysis Lot: 223007

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methanol	1120		10.0	10	NA	10/29/10 16:33		223007	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Georgia-Pacific Consumer Products LP
Project: Wauna 4Q FC
Sample Matrix: Water
Sample Name: Inlet 10/21
Lab Code: K1011822-011

Service Request: K1011822
Date Collected: 10/21/10 0730
Date Received: 10/22/10
Units: mg/L
Basis: NA

Methanol in Process Liquids by GC/FID

Analytical Method: NCASI MeOH-94.03

Analysis Lot: 223007

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methanol	28.6		1.00	1	NA	10/29/10 16:47		223007	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Georgia-Pacific Consumer Products LP
Project: Wauna 4Q FC
Sample Matrix: Water
Sample Name: Outlet 10/21
Lab Code: K1011822-012

Service Request: K1011822
Date Collected: 10/21/10 0810
Date Received: 10/22/10
Units: mg/L
Basis: NA

Methanol in Process Liquids by GC/FID

Analytical Method: NCASI MeOH-94.03

Analysis Lot: 223007

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methanol	ND U	1.00	1	NA	10/29/10 17:01		223007	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Georgia-Pacific Consumer Products LP
Project: Wauna 4Q FC
Sample Matrix: Water
Sample Name: Zone 1 10/21
Lab Code: K1011822-013

Service Request: K1011822
Date Collected: 10/21/10 0750
Date Received: 10/22/10

Units: mg/L
Basis: NA

Methanol in Process Liquids by GC/FID

Analytical Method: NCASI MeOH-94.03

Analysis Lot: 223007

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methanol	ND	U	1.00	1	NA	10/29/10 17:16		223007	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Georgia-Pacific Consumer Products LP
 Project: Wauna 4Q FC
 Sample Matrix: Water
 Sample Name: Zone 2 10/21
 Lab Code: K1011822-014

Service Request: K1011822
 Date Collected: 10/21/10 0800
 Date Received: 10/22/10

Units: mg/L
 Basis: NA

Methanol in Process Liquids by GC/FID

Analytical Method: NCASI MeOH-94.03

Analysis Lot: 223007

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methanol	ND	U	1.00	1	NA	10/29/10 17:30		223007	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Georgia-Pacific Consumer Products LP
Project: Wauna 4Q FC
Sample Matrix: Water
Sample Name: Foul Condensate 10/21
Lab Code: K1011822-015

Service Request: K1011822
Date Collected: 10/21/10 0740
Date Received: 10/22/10
Units: mg/L
Basis: NA

Methanol in Process Liquids by GC/FID

Analytical Method: NCASI MeOH-94.03

Analysis Lot: 223007

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methanol	927		10.0	10	NA	10/29/10 17:45		223007	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Georgia-Pacific Consumer Products LP
Project: Wauna 4Q FC
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: JQ1005202-01

Service Request: K1011822
Date Collected: NA
Date Received: NA
Units: mg/L
Basis: NA

Methanol in Process Liquids by GC/FID

Analytical Method: NCASI MeOH-94.03

Analysis Lot: 223007

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methanol	ND	U	1.00	1	NA	10/29/10 13:24		223007	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Cyclopentanol	107	50-150	10/29/10 13:24	

Cooler Receipt Form

Client: Kelso Georgia Pacific Service Request #: K1011822
 Project: Wauna 4Q FC
 Cooler received on 10/29/10 and opened on 10/29/10 by SC
 COURIER: CAS UPS FEDEX Client Other _____ Airbill # 1297365901482012

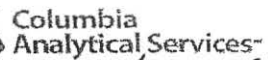
- 1 Were custody seals on outside of cooler? ☒ Yes ☐ No
 If yes, how many and where? # 2 on lid other _____
- 2 Were seals intact and signature and date correct? ☒ Yes ☐ No ☐ N/A
- 3 Were custody papers properly filled out? ☒ Yes ☐ No ☐ N/A
- 4 Temperature of cooler(s) upon receipt (Should be > 0°C and < 6°C) 2.7 _____
- 5 Thermometer ID 072 _____
- 6 Temperature Blank Present? ☒ Yes ☐ No
- 7 Were Ice or Ice Packs present Ice ☐ Ice Packs ☒ No
- 8 Did all bottles arrive in good condition (unbroken, etc....)? ☒ Yes ☐ No ☐ N/A
- 9 Type of packing material present Netting ☐ Vial Holder ☒ Bubble Wrap
 Paper ☐ Styrofoam ☐ Other ☐ N/A
- 10 Were all bottle labels complete (sample ID, preservation, etc....)? ☒ Yes ☐ No ☐ N/A
- 11 Did all bottle labels and tags agree with custody papers? ☒ Yes ☐ No ☐ N/A
- 12 Were the correct bottles used for the tests indicated? ☒ Yes ☐ No ☐ N/A
- 13 Were all of the preserved bottles received with the appropriate preservative?
 HNO₃ pH<2 H₂SO₄ pH<2 ZnAc₂/NaOH pH>9 NaOH pH>12 HCl pH<2
 Preservative additions noted below Yes ☐ No ☒ N/A
- 14 Were all samples received within analysis holding times? ☒ Yes ☐ No ☐ N/A
- 15 Were VOA vials checked for absence of air bubbles? If present, note below Yes ☐ No ☒ N/A
- 16 Where did the bottles originate? ☒ CAS ☐ Client

Sample ID	Reagent	Lot #	ml added	Initials Date/Time

Additional comments and/or explanation of all discrepancies noted above:

Client approval to run samples if discrepancies noted:

Date: 22



K 1011822

Initials: SL

Jacksonville Laboratory
Condition Upon Receipt - Sample pH

Note that pH is check and meets the required pH criterion listed in the column heading unless otherwise noted on the cooler receipt form.

[illegible]

NOTE: VOA pH checks are performed by the analytical area, not sample control

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29

Intra-Network Chain of Custody

1317 South 13th Avenue • Kelso, WA 98626 • 1-360-577-7222 • FAX 1-360-636-1068

CAS Contact: Lynda Huckestein

Project Name: Wauna 4Q FC
 Project Number:
 Project Manager: Al Deichsel
 Company: Georgia Pacific Corporation

MeOH
 NCASI MeOH-94.03

Lab Code	Client Sample ID	# of Cont.	Matrix	Sample		Date Received	Send To	
				Date	Time			
K1011822-001	Inlet 10/19	2	Water	10/19/10	0730	10/22/10	JAX	I
K1011822-002	Outlet 10/19	2	Water	10/19/10	0810	10/22/10	JAX	I
K1011822-003	Zone 1 10/19	2	Water	10/19/10	0750	10/22/10	JAX	I
K1011822-004	Zone 2 10/19	2	Water	10/19/10	0800	10/22/10	JAX	I
K1011822-005	Foul Condensate 10/19	2	Water	10/19/10	0740	10/22/10	JAX	I
K1011822-006	Inlet 10/20	2	Water	10/20/10	0730	10/22/10	JAX	I
K1011822-007	Outlet 10/20	2	Water	10/20/10	0810	10/22/10	JAX	I
K1011822-008	Zone 1 10/20	2	Water	10/20/10	0750	10/22/10	JAX	I
K1011822-009	Zone 2 10/20	2	Water	10/20/10	0800	10/22/10	JAX	I
K1011822-010	Foul Condensate 10/20	2	Water	10/20/10	0740	10/22/10	JAX	I
K1011822-011	Inlet 10/21	2	Water	10/21/10	0730	10/22/10	JAX	I

Special Instructions/Comments

Please provide the electronic (PDF and EDD) report to the following e-mail address:
 kelso_data@caslab.com

Turnaround Requirements

___ RUSH (Surcharges Apply)
 PLEASE CIRCLE WORK DAYS
 1 2 3 4 5
 ___ STANDARD
 Requested FAX Date: _____
 Requested Report Date: 11/08/10

Report Requirements

___ I. Results Only
 ___ II. Results + QC Summaries
 ___ III. Results + QC and Calibration Summaries
 ___ IV. Data Validation Report with Raw Data
 PQL/MDL/J N
 EDD N

Invoice Information

PO#
 K1011822
 Bill to

Relinquished By:

Agull CAS 10/28/10 1300

Received By:

Sham Lyth 10/29/10 1200

Airbill Number:

Intra-Network Chain of Custody

1317 South 13th Avenue • Kelso, WA 98626 • 1-360-577-7222 • FAX 1-360-636-1068

CAS Contact: Lynda Huckestein

Project Name: Wauna 4Q FC
 Project Number:
 Project Manager: Al Deichsel
 Company: Georgia Pacific Corporation

MeOH
 NCASI MeOH-94.03

Lab Code	Client Sample ID	# of Cont.	Matrix	Sample		Date Received	Send To	
				Date	Time			
K1011822-012	Outlet 10/21	2	Water	10/21/10	0810	10/22/10	JAX	I
K1011822-013	Zone 1 10/21	2	Water	10/21/10	0750	10/22/10	JAX	I
K1011822-014	Zone 2 10/21	2	Water	10/21/10	0800	10/22/10	JAX	I
K1011822-015	Foul Condensate 10/21	2	Water	10/21/10	0740	10/22/10	JAX	I

Special Instructions/Comments

Please provide the electronic (PDF and EDD) report to the following e-mail address:
 kelso_data@caslab.com

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Turnaround Requirements

☐ RUSH (Surcharges Apply)
 PLEASE CIRCLE WORK DAYS
 1 2 3 4 5
☐ STANDARD
 Requested FAX Date: _____
 Requested Report Date: 11/08/10

Report Requirements

☐ I. Results Only
☐ II. Results + QC Summaries
☐ III. Results + QC and Calibration Summaries
☐ IV. Data Validation Report with Raw Data
 PQL/MDL/J N
 EDD N

Invoice Information

PO#
 K1011822

Bill to

Relinquished By:

Shawn L. Lott CAS 10/28/10 1300

Received By:

Shawn L. Lott 12/29/10 1200

Airbill Number: _____

Pag